

and the aggregates remain firmly keyed. Apply water uniformly over the base materials during compaction in the amount necessary for proper consolidation.

Before applying the prime coat, cure or season the aggregate base material sufficiently to permit the prime coat to be properly applied.

- (e) **Tolerances.** Tolerances for surface, width, and thickness shall conform with Section 301.

### **303.05. METHOD OF MEASUREMENT.**

*Aggregate base* will be measured by the ton or by the cubic yard ( metric ton or by the cubic meter), and compacted in place to the specified density. Measurement by the cubic yard (cubic meter) will be based on the actual length multiplied by the theoretical cross section shown on the Plans. All moisture in excess of 5 percent oven-dry weight will be deducted when measured by the ton (metric ton).

### **303.06. BASIS OF PAYMENT.**

Accepted aggregate base, measured as provided above, will be paid for at the contract unit price as follows:

AGGREGATE BASE .....	CUBIC YARD (CUBIC METER)
AGGREGATE BASE .....	TON (METRIC TON)

Such payment shall be full compensation for furnishing all materials, equipment, labor, and incidentals to complete the work as specified.

*NOTE: Rolling and water as required to obtain a specified density will not be a separate pay item, but the cost shall be included in the price of other bid items.*

## **SECTION 305 CALICHE BASE**

### **305.01. DESCRIPTION.**

This work shall consist of constructing a base of approved deposits of calcareous and siliceous material constructed on the prepared subgrade in accordance with these Specifications and in reasonably close conformity with the lines, grades, thickness, and typical cross sections shown on the Plans or established by the Engineer.

### **305.02. MATERIALS.**

Materials shall meet the requirements specified in Subsection 704.03.

### **305.04. CONSTRUCTION METHODS.**

- (a) **Preparation of Subgrade.** Prior to placing the new base course material or subbase and base course material on the roadbed, prepare the subgrade according to the requirements of method B of Section 310, Subgrade, of these Specifications or as specified on the Plans.

Break up or pulverize the old base and/or surfacing in place and incorporate it in the top portion of new subgrade in accordance with the requirements of Section 311, Processing Existing Base and Surface of these Specification as indicated on the Plans and in the Proposal.

- (b) **Mixing and Placing.** When the materials required to produce the specified mixture are to be combined and blended on the roadbed, deliver weighed material and place it in measured windrows, each in the proper proportions before blending. The total quantities for blending at one operation shall not be in excess of the amount that can be readily handled and thoroughly and uniformly mixed and blended to these requirements by the equipment available on the project.

During the latter stages of the mixing—and before final mixing is completed—moisten the mixture as necessary to provide a suitable working condition during the final stages of mixing. Such application of water shall be accurate and uniform throughout the length of the section being treated so that there will be no excess wet or dry spots in the finished blend. Avoid application of excess water, during both mixing and compaction, so that undue softening of the subgrade will not develop.

- (c) **Spreading.** After the blended and flattened windrow has been tested and approved by the Engineer, spread the base course material uniformly over the full length and width of the section to be compacted. Do this spreading in such a manner as to prevent segregation of the mixture. The thickness or depth of the layers shall not be in excess of that which the equipment on the project is capable of compacting to the density required herein for the completed base course.
- (d) **Compaction-Density.** Wet the course or courses being compacted as necessary to obtain suitable uniform moisture. Continue rolling as required to produce a minimum density of 100 percent of standard density as determined by AASHTO T-99.
- (e) **Tolerances.** Tolerances for surface, width, and thickness shall be in conformity with Section 301.

### 305.05. METHOD OF MEASUREMENT.

*Caliche base* will be measured by the cubic yard (cubic meter) compacted in place, to the specified density. Measurement will be based on the actual length multiplied by the theoretical cross section shown on the Plans.

### 305.06. BASIS OF PAYMENT.

Accepted caliche base, measured as provided above, will be paid for at the contract unit price as follows:

CALICHE BASE ..... CUBIC YARD (CUBIC METER)

Such payment shall be full compensation for furnishing all materials, equipment, labor, and incidentals to complete the work as specified.